

**NATURAL RESOURCES CONSERVATION SERVICE
CONSTRUCTION SPECIFICATIONS**

DIKE

1. Scope

The work shall consist of all construction operations and furnishing materials as specified on the construction plans and specifications for the complete installation of the dike.

2. Location

Location of the dike embankments, excavation, and appurtenant structures shall be as specified on the construction plans or as staked in the field.

3. Measurement

The quantity of embankment fill will be determined from measured ground surfaces. Computations shall be to the nearest cubic yard.

4. Foundation Preparation

The foundation area shall be cleared of all trees, stumps, roots, brush, boulders, sod, and debris. All channel banks and sharp breaks shall be sloped no steeper than 1:1. Topsoil that is high in organic matter shall be removed. The surface of the foundation shall be thoroughly scarified before placement of the embankment material.

The cutoff trench, where used, shall be excavated to lines and grades as shown on the plans. It shall be backfilled with suitable material in a manner as specified for earth embankments. The necessary compaction shall be obtained by using equipment adapted to site conditions. The trench shall be kept free of standing water during backfill operations. Material from the cutoff trench may be placed within the dike section if suitable.

5. Embankment

The material placed in the fill shall be free of all sod, roots, stones over 6 inches in diameter, and other objectionable debris.

Moisture content and methods of placing, spreading, and compacting the material shall be such that a firm, stable embankment will result. If the fill material varies appreciably in texture or gradation, the more impervious material shall be the center portion of the embankment.

6. Conduit Installation

All conduits installed through the dike shall be on a firm foundation. They will be placed to the lines and grades shown on the construction plans.

7. Ditches and Borrow Pits

Excavation of ditches and borrow pits shall be as outlined on the construction plans or as staked in the field.

8. Drainage

Interior and subsurface drains will be installed as shown on the construction plans.

9. Construction Details